# Interagency Avlation-Training

- Education
- Qualification
- Currency

Aviation Use and Management Qualifications Guide

## INTERAGENCY AVIATION TRAINING

#### A NATIONAL INTERAGENCY SYSTEM

## AVIATION USE AND MANAGEMENT QUALIFICATION GUIDE

#### Prepared by

**Aviation Training and Qualification Working Team Under the Leadership of the Aviation Management Council** 

## **CONTENTS**

| A.    | Introduction  | 1    |
|-------|---|------|
| B.    | Description of the System   | 1    |
|       | Training Modules  | 2    |
|       | Agency Certification  |      |
|       | Currency Requirements   | 3    |
|       | Aviation Positions  |      |
|       | Modules (Subject Matter)  |      |
| PART  | 2 POSITION DESCRIPTIONS AND REQUIRED MODULES                      |      |
|       | 1. Administrative Staff   | 5    |
|       | 2. Agency Administrator   |      |
|       | 3. Aircrew Member   |      |
|       | 4. Aviation Dispatcher  |      |
|       | 5. Aviation Management/Technical Specialist                       |      |
|       | 6. Contracting Officer's Representative/Project Inspector         |      |
|       | 7. Fixed-Wing Manager   |      |
|       | 8. Fixed-Wing Manager-Special Use                                 |      |
|       | 9. Flight Crew/Pilot  |      |
|       | 10. Helicopter Manager  |      |
|       | 11. Mission Specialist  | 9    |
|       | 12. Passenger   |      |
|       | 13. Project Aviation Manager                                      |      |
|       | 14. Regional/State/National Aviation Manager                      |      |
|       | 15. Supervisor  |      |
|       | 16. Unit Aviation Manager   | 12   |
|       | Requirements Matrix   | 13   |
|       | Currency Matrix   | 14   |
|       | NWCG Course Equivalency for Interagency Aviation Training Modules | 15   |
| PART  | T 3 MODULE CATALOG  | .16  |
| DADT  | 7 4 INTERAGENCY AVIATION INSTRUCTOR                               |      |
| 1 41/ |   | ~    |
|       | REQUIREMENTS  | . 23 |
| APPE  | ENDIX INDIVIDUAL TRAINING RECORDS                                 | .25  |

#### PART 1

#### EDUCATION, QUALIFICATION, AND CURRENCY SYSTEM

#### A. INTRODUCTION

Most agencies utilize aircraft in the support or accomplishment of many of their programs and projects. These aircraft users are as many and varied as the types of aircraft used. An interagency-wide goal is to accomplish safe, efficient, and effective utilization of aviation resources. Increasing employee awareness of agency policy, procedures, and safe practices must receive high priority. Aviation training, whether basic safety, specialized, or management, is a method to increase this awareness and a key to meeting this goal.

The Interagency Aviation Training Education, Qualification, and Currency System was developed under the direction of the Aviation Management Council for the establishment of aviation training standards for Natural Resource Agency personnel. Personnel meeting these standards are qualified to perform a variety of aviation related tasks.

#### This system is designed to:

- 1) Establish minimum training, skills, knowledge, and currency requirements for agency personnel who work with aircraft or have aviation duties in order to accomplish resource (non-fire) missions.
- 2) Provide a forum for interagency coordination in the development and implementation of aviation education, training, and qualification standards.
- 3) Maintain a high level of currency in education and training methods and techniques, as well as audio-visual technology, within the budgetary constraints of each individual bureau/agency.
- 4) Establish an interagency aviation qualification, certification, and documentation system.
- 5) Establish qualifications and currency standards for interagency aviation trainers (IATs).
- 6) Utilize a systematic process to assure application of state-of-the-art instructional technology to course planning and development.

#### **B. DESCRIPTION OF THE SYSTEM**

The Interagency Aviation Training System is a "training based" system. In this system, the primary criterion for qualification is an individual's ability to complete the training modules with a passing score on an examination.

This system is not designed to supplement or take the place of the National Wildland Coordinating Group's "Wildland Fire Qualification System" (310-1). All Wildland Fire positions should remain under the 310-1 system. However, some 310-1 training courses will supplement or serve as creditable substitutes for training required under the Interagency Aviation Training System.

This system is not designed to supplement or take the place of requirements for agencies that follow the *Interagency Helicopter Operations Guide's* Position Training Qualifications (Chapter 2).

Training requirements include completion of all required training modules prior to functioning in a specific aviation-related position. The aviation training subject matter is designed to be progressive and build upon past training. In some instances, lower level modules will be required before students progress to higher level modules in the same subject matter area (i.e., an aircrew member may need Aviation Policy & Regulations I, while a unit aviation manager may need Aviation Policy & Regulations I, II, and III.)

#### **Training Modules**

This system is made up of modules of specific aviation-related subject matter. Each subject module is designed to stand alone or can be combined with other modules to create a course-like approach. Any module may be presented in an instructor-led classroom setting regardless of format. This allows agency employees to take only those subjects necessary to do their job. Some modules are very basic, such as "Aviation Mishap Reporting," which demonstrates how to fill out and submit a SAFECOM and can be completed through computer-based training (WBT) or one-on-one in just a few minutes. Other modules such as "Human Factors in Aviation" are more complex and may require a classroom, instructor-led training session.

Also included in this system are 10 currency modules, which may be WBT or presented in a workshop setting. These modules are designed for specific job functions and include multiple subjects/topics. They will be updated on a periodic basis to facilitate employees' currency in aviation training and issues. The refresher modules are designed to maintain currency while having the least impact on agency budget and employee time.

#### **Agency Certification**

The education and training of personnel at all organizational levels is the responsibility of management. Aviation users, supervisors, and managers must be knowledgeable of the inherent hazards of aviation operations. Training is essential for employees whose operations are performed in the high-risk environments typically encountered in agency programs and projects.

Two levels of training have been identified. The first level, Required Training, is mandatory as specified for each aviation position. Modules in the second level, Additional Requirements, will be specified by individual DOI bureau/Forest Service policy.

Forest Service and DOI bureau aviation managers are authorized to initially certify Interagency Aviation Training qualifications of existing employees who meet the current certification standards for aviation positions within their organizations (grandfathering). The three-year currency cycle for employee refresher training is not affected by this grandfathering certification.

Agencies will be responsible for certification of personnel based upon the requirements of this guide. This responsibility includes evaluation of personnel for recertification in cases where position qualifications have been lost as a result of a lack of currency. As an option, to facilitate an individual's training documentation, agencies may use the Interagency Aviation Training Individual Training Record and the Interagency Aviation Training Currency Training Record forms (see appendix).

#### **Currency Requirements**

Unless otherwise noted, the maximum time allowed for maintaining currency is three (3) years. Currency will be maintained by either completing a WBT refresher module that covers specific positions or, in the case of advanced technical positions, attending a position-specific refresher workshop.

#### **Aviation Positions**

These positions require a level of specific skills and knowledge to perform aviation duties and ensure safety. Personnel should be assigned only to positions in which they have been successfully trained. It is up to the Forest Service and each DOI bureau to determine positions based on organizational needs and mission objectives.

- 1. Administrative Staff
- 2. Agency Administrator
- 3. Aircrew Member
- 4. Aviation Dispatcher
- 5. Aviation Management/Technical Specialist
- 6. Contracting Officer's Representative (COR)/Project Inspector (PI)
- 7. Fixed-Wing Manager
- 8. Fixed-Wing Manager (Special Use)
- 9. Flight Crew/Pilot
- 10. Helicopter Manager
- 11. Mission Specialist
- 12. Passenger
- 13. Project Aviation Manager
- 14. Regional/State/National Aviation Manager
- 15. Supervisor
- 16. Unit Aviation Manager

#### **Modules (Subject Matter)**

#### **Basic Aviation Skills Training**

- A-101 Aviation Safety (all aircraft)
- A-103 Basic Airspace
- A-104 Overview of Aircraft Capabilities & Limitations
- A-105 Aviation Life Support Equipment
- A-106 Aviation Mishap Reporting
- A-107 Aviation Policy and Regulations I
- A-108 Preflight Checklist & Briefing/Debriefing
- A-109 Aviation Radio Use
- A-110 Aviation Transportation of Hazardous Materials
- A-111 Flight Payment Document
- A-112 Mission Planning & Flight Request Process
- A-113 Crash Survival

#### **Intermediate Aviation Skills Training**

- A-201 Overview of Safety & Accident Prevention Programs
- A-202 Interagency Aviation Organizations
- A-203 Airspace Management & Coordination
- A-204 Aircraft Capabilities & Limitations
- A-205 Risk Awareness
- A-206 Aviation Acquisition/Procurement I
- A-207 Aviation Dispatching
- A-208 Aircraft Pre-Use Inspection
- A-209 Helicopter Operations
- A-210 Helicopter Field Exercise
- A-211 Aviation Planning

#### Advanced Aviation Skills Training

- A-301 Implementing Aviation Safety & Accident Prevention
- A-302 Personal Responsibility & Liability
- A-303 Human Factors in Aviation
- A-304 Aircraft Maintenance
- A-305 Risk Management
- A-306 Aviation Contract Administration I & II
- A-307 Aviation Policy & Regulations II
- A-308 Aviation Policy & Regulations III
- A-309 Helicopter Flight Manuals
- A-310 Crew Resource Management
- A-311 Aviation Program Overview for Agency Administrators
- A-312 Water Ditching and Survival
- A-313 Aviation Security

#### Refresher Training Modules and Workshops

- A-401 Aviation Dispatcher Refresher Training (WBT)
- A-402 Aircrew Member Refresher Training (WBT)
- A-403 Fixed-Wing Manager Refresher Training (WBT)
- A-404 Fixed-Wing Manager (Special-Use) Refresher Training (WBT)
- A-405 Aviation Transportation of Hazardous Materials (WBT) A-406 Helicopter Manager Refresher Workshop
- A-407 Project Aviation Manager Refresher Workshop
- A-408 Supervisor Refresher Training (Agency Specific)
- A-409 Unit Aviation Manager Refresher Workshop
- A-410 Aviation Management/Tech Specialist Refresher

#### PART 2

## POSITION DESCRIPTIONS AND REQUIRED MODULES

| Administrative Staff   |                                |  |
|--|--------------------------------|--|
| An individual at the unit level responsible for processing Aircraft Use Reports. |                                |  |
| Currency • Per agency policy   |                                |  |
| Required Training  | A-111: Flight Payment Document |  |

| Agency Administrator  |  |  |
|---|--|--|
| A line officer who is responsible and accountable for using aviation resources to accomplish          |  |  |
| agency programs, i.e., park superintendent, agency superintendent, regional director, state director, |  |  |
| area director, district manager, refuge manager, forest supervisor, chief scientist.                  |  |  |
| Currency  | • 3 years  |  |
| Required Training   | A-311: Aviation Program Overview for Agency Administrators |  |

| Aircrew Member   |  |  |  |
|--|--|--|--|
| A person required to work in or around aircraft to ensure the successful outcome of the mission, i.e., |  |  |  |
|  | resource specialist on aerial reconnaissance mission. This person may function under the direction   |  |  |
| of the fixed-wing man  | ager or helicopter manager.  |  |  |
| Currency   | • 3 years  |  |  |
|  | Required Training  |  |  |
| A-101  | Aviation Safety  |  |  |
| A-105  | Aviation Life Support Equipment  |  |  |
| A-106  | Aviation Mishap Reporting  |  |  |
| A-108  | Preflight Checklist and Briefing/Debriefing  |  |  |
| A-110  | Aviation Transportation of Hazardous Materials (if involved in the transport of hazardous materials) |  |  |
| A-113  | Crash Survival   |  |  |
| Additional requirements when specified by individual DOI bureau/Forest Service policy:                 |  |  |  |
| A-107  | Aviation Policy and Regulations I  |  |  |
| A-109  | Aviation Radio Use   |  |  |
| A-205  | Risk Awareness   |  |  |
| A-209  | Helicopter Operations (for helicopter aircrew members only)  |  |  |
| A-210  | Helicopter Field Exercises (for helicopter aircrew members only)                                     |  |  |
| A-302  | Personal Responsibility and Liability  |  |  |
| A-303  | Human Factors in Aviation  |  |  |
| A-310  | Crew Resource Management   |  |  |
| A-312  | Water Ditching and Survival  |  |  |
|  | Mission Specific Training (as required by agency)  |  |  |

|   | Aviation Dispatcher  |  |  |
|---|--|--|--|
| A dispatcher who may receive, process, and place orders for aircraft, provide flight following and other aviation support services. |  |  |  |
| Currency  | • 3 years  |  |  |
| Additional requiremen   | Additional requirements when specified by individual DOI bureau/Forest Service policy: |  |  |
|   | A-310: Crew Resource Management  |  |  |
|   | Required Training  |  |  |
| A-103   | Basic Airspace   |  |  |
| A-106   | Aviation Mishap Reporting  |  |  |
| A-107   | Aviation Policy and Regulations I  |  |  |
| A-109   | Aviation Radio Use   |  |  |
| A-110   | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous  |  |  |
|   | materials)   |  |  |
| A-111   | Flight Payment Document  |  |  |
| A-112   | Mission Planning and Flight Request Process  |  |  |
| A-202   | Interagency Aviation Organizations   |  |  |
| A-203   | Airspace Management and Coordination   |  |  |
| A-204   | Aircraft Capabilities and Limitations  |  |  |
| A-205   | Risk Awareness   |  |  |
| A-206   | Aviation Acquisition/Procurement I   |  |  |
| A-207   | Aviation Dispatching   |  |  |
| A-302   | Personal Responsibility and Liability  |  |  |
| A-303   | Human Factors in Aviation  |  |  |
| A-305   | Risk Management  |  |  |
| A-307   | Aviation Policy and Regulations II   |  |  |

|  | Aviation Management/Technical Specialist  |  |  |
|--|---|--|--|
| Supports the aviation management and safety programs of their respective agencies/units/areas, i.e., technical inspector, aviation safety officer, helicopter operations specialist, and aviation management program specialist. |   |  |  |
| Currency   | • 3 years   |  |  |
| Additional requirements  | when specified by individual DOI bureau/Forest Service policy: Mission-Specific       |  |  |
|  | Training (as required by agency)  |  |  |
|  | Required Training   |  |  |
| A-101  | Aviation Safety   |  |  |
| A-103  | Basic Airspace  |  |  |
| A-105  | Aviation Life Support Equipment   |  |  |
| A-106  | Aviation Mishap Reporting   |  |  |
| A-107  | Aviation Policy and Regulations I   |  |  |
| A-108  | Preflight Checklist and Briefing/Debriefing   |  |  |
| A-109  | Aviation Radio Use  |  |  |
| A-110  | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous |  |  |
|  | materials)  |  |  |
| A-111  | Flight Payment Document   |  |  |
| A-112  | Mission Planning and Flight Request Process   |  |  |
| A-113  | Crash Survival  |  |  |
| A-202  | Interagency Aviation Organizations  |  |  |
| A-203  | Airspace Management and Coordination  |  |  |
| A-204  | Aircraft Capabilities and Limitations   |  |  |
| A-205  | Risk Awareness  |  |  |
| A-206  | Aviation Acquisition/Procurement I  |  |  |
| A-207  | Aviation Dispatching  |  |  |
| A-208  | Aircraft Pre -Use Inspection  |  |  |
| A-211  | Aviation Planning   |  |  |

| A-301 | Implementing Aviation Safety and Accident Prevention |
|-------|--|
| A-302 | Personal Responsibility and Liability                |
| A-303 | Human Factors in Aviation                            |
| A-305 | Risk Management                                      |
| A-307 | Aviation Policy and Regulations II                   |
| A-308 | Aviation Policy and Regulations III                  |
| A-310 | Crew Resource Management                             |
| A-313 | Aviation Security                                    |

| Contracting Officer's Representative/Project Inspector  |  |  |
|---|--|--|
| An employee who is responsible for compliance with all aircraft contract provisions and specifications; issues work orders/notices of noncompliance as needed; and has the authority to initiate and sign correspondence and other contract administration documents as delegated by an aircraft contracting officer. |  |  |
| Currency  | Agency-Specific Currency Workshop/Conference |  |
|   | Required Training                            |  |
| A-106   | Aviation Mishap Reporting                    |  |
| A-111   | Flight Payment Document                      |  |
| A-206   | Aviation Acquisition/Procurement I           |  |
| A-208   | Aircraft Pre -Use Inspection                 |  |
| A-302   | Personal Responsibility and Liability        |  |
| A-304   | Aviation Maintenance                         |  |
|   |  |  |

Aviation Contract Administration I & II

A-306

| Fixed-Wing Manager  |  |  |  |
|---|--|--|--|
| Government representative who works jointly with the pilot-in-command and aircrew members to ensure safe, efficient flight management. Some agencies refer to this position as "chief of party." This position does not include special-use operations. |  |  |  |
| Currency  | • 3 years  |  |  |
|   | Required Training  |  |  |
| A-101   | Aviation Safety  |  |  |
| A-105   | Aviation Life Support Equipment  |  |  |
| A-106   | Aviation Mishap Reporting  |  |  |
| A-108   | Preflight Checklist and Briefing/Debriefing  |  |  |
| A-110   | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous materials) |  |  |
| A-111   | Flight Payment Document  |  |  |
| A-112   | Mission Planning and Flight Request Process  |  |  |
| A-113   | Crash Survival   |  |  |
| Additional requirements when specified by individual DOI bureau/Forest Service policy:  |  |  |  |
| A-107   | Aviation Policy and Regulations I  |  |  |
| A-204   | Aircraft Capabilities and Limitations  |  |  |
| A-205   | Risk Awareness   |  |  |

| Fixed-Wing Manager - Special Use   |                                 |  |
|--|---------------------------------|--|
| Government representative who works jointly with the pilot-in-command and aircrew members to ensure safe, efficient flight management of missions other than point to point flying, i.e., reconnaissance below 500 feet, infrared, aerial photo, and other missions requiring special training and/or equipment. |                                 |  |
| Currency   | • 3 years                       |  |
| Required Training  |                                 |  |
| A-101  | Aviation Safety                 |  |
| A-105  | Aviation Life Support Equipment |  |
| A-106  | Aviation Mishap Reporting       |  |

| A-108               | Preflight Checklist and Briefing/Debriefing   |
|---------------------|---|
| A-110               | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous |
|                     | materials)  |
| A-111               | Flight Payment Document   |
| A-112               | Mission Planning and Flight Request Process   |
| A-113               | Crash Survival  |
| A-204               | Aircraft Capabilities and Limitations   |
| A-205               | Risk Awareness  |
| A-302               | Personal Responsibility and Liability   |
| A-313               | Aviation Security   |
| Additional requirem | ents when specified by individual DOI bureau/Forest Service policy:                   |
| A-107               | Aviation Policy and Regulations I   |
| A-109               | Aviation Radio Use  |
| A-203               | Airspace Management and Coordination  |
| A-206               | Aviation Acquisition/Procurement I  |
| A-301               | Implementing Aviation Safety and Accident Prevention                                  |
| A-303               | Human Factors in Aviation   |
| A-305               | Risk Management   |
| A-307               | Aviation Policy and Regulations II  |
| A-310               | Crew Resource Management  |
| A-312               | Water Ditching and Survival   |
|                     | Mission Specific Training (as required by agency)                                     |

|  | Flight Crew/Pilot  |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|--|--|
| A pilot, flight engineer, or                               | A pilot, flight engineer, or flight navigator assigned to duty in an aircraft during flight time who holds a valid |  |  |  |  |  |  |  |  |
| FAA Airman's Certificate and Airman's Medical Certificate. |  |  |  |  |  |  |  |  |  |
| Currency • Per agency policy                               |  |  |  |  |  |  |  |  |  |
| Additional requirements w                                  | hen specified by individual DOI bureau/Forest Service policy:  |  |  |  |  |  |  |  |  |
|  | A-207: Aviation Dispatching  |  |  |  |  |  |  |  |  |
|  | Required Training  |  |  |  |  |  |  |  |  |
| A-101  | Aviation Safety  |  |  |  |  |  |  |  |  |
| A-105  | Aviation Life Support Equipment  |  |  |  |  |  |  |  |  |
| A-106  | Aviation Mishap Reporting  |  |  |  |  |  |  |  |  |
| A-107 Aviation Policy and Regulations I                    |  |  |  |  |  |  |  |  |  |
| A-110  | Aviation Transportation of Hazardous Materials (if involved in transport of  |  |  |  |  |  |  |  |  |
|  | hazardous materials)   |  |  |  |  |  |  |  |  |
| A-111  | Flight Payment Document  |  |  |  |  |  |  |  |  |
| A-112  | Mission Planning and Flight Request Process  |  |  |  |  |  |  |  |  |
| A-113  | Crash Survival   |  |  |  |  |  |  |  |  |
| A-201  | Overview of Safety and Accident Prevention Programs  |  |  |  |  |  |  |  |  |
| A-202  | Interagency Aviation Organizations   |  |  |  |  |  |  |  |  |
| A-203  | Airspace Management and Coordination   |  |  |  |  |  |  |  |  |
| A-205  | Risk Awareness   |  |  |  |  |  |  |  |  |
| A-302  | Personal Responsibility and Liability  |  |  |  |  |  |  |  |  |
| A-303  | Human Factors in Aviation  |  |  |  |  |  |  |  |  |
| A-305  | Risk Management  |  |  |  |  |  |  |  |  |
| A-307  | Aviation Policy and Regulations II   |  |  |  |  |  |  |  |  |
| A-310  | Crew Resource Management   |  |  |  |  |  |  |  |  |
| A-313  | Aviation Security  |  |  |  |  |  |  |  |  |

|                       | Helicopter Manager   |  |  |  |  |  |  |  |
|-----------------------|--|--|--|--|--|--|--|--|
|                       | nating, scheduling, managing, and supervising operations involving helicopters. the Interagency Helicopter Operations Guide need to adhere to IHOG training and s in chapter 2.) |  |  |  |  |  |  |  |
| Currency              | As required by agency  |  |  |  |  |  |  |  |
| Required Training     |  |  |  |  |  |  |  |  |
| A-101                 | Aviation Safety  |  |  |  |  |  |  |  |
| A-105                 | Aviation Life Support Equipment  |  |  |  |  |  |  |  |
| A-106                 | Aviation Mishap Reporting  |  |  |  |  |  |  |  |
| A-107                 | Aviation Policy and Regulations I  |  |  |  |  |  |  |  |
| A-108                 | Preflight Checklist and Briefing/Debriefing  |  |  |  |  |  |  |  |
| A-110                 | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous materials)   |  |  |  |  |  |  |  |
| A-111                 | Flight Payment Document  |  |  |  |  |  |  |  |
| A-112                 | Mission Planning and Flight Request Process  |  |  |  |  |  |  |  |
| A-113                 | Crash Survival   |  |  |  |  |  |  |  |
| A-201                 | Overview of Safety and Accident Prevention Programs  |  |  |  |  |  |  |  |
| A-204                 | Aircraft Capabilities and Limitations  |  |  |  |  |  |  |  |
| A-205                 | Risk Awareness   |  |  |  |  |  |  |  |
| A-206                 | Aviation Acquisition and Procurement I   |  |  |  |  |  |  |  |
| A-209                 | Helicopter Operations  |  |  |  |  |  |  |  |
| A-302                 | Personal Responsibility and Liability  |  |  |  |  |  |  |  |
| A-313                 | Aviation Security  |  |  |  |  |  |  |  |
| Additional requiremen | ts when specified by individual DOI bureau/Forest Service policy:  |  |  |  |  |  |  |  |
| A-109                 | Aviation Radio Use   |  |  |  |  |  |  |  |
| A-202                 | Interagency Aviation Organizations   |  |  |  |  |  |  |  |
| A-203                 | Airspace Management and Coordination   |  |  |  |  |  |  |  |
| A-207                 | Aviation Dispatching   |  |  |  |  |  |  |  |
| A-208                 | Aircraft Pre -Use Inspection   |  |  |  |  |  |  |  |
| A-210                 | Helicopter Field Exercise  |  |  |  |  |  |  |  |
| A-211                 | Aviation Planning  |  |  |  |  |  |  |  |
| A-301                 | Implementing Aviation Safety and Accident Prevention   |  |  |  |  |  |  |  |
| A-303                 | Human Factors in Aviation  |  |  |  |  |  |  |  |
| A-304                 | Aircraft Maintenance   |  |  |  |  |  |  |  |
| A-305                 | Risk Management  |  |  |  |  |  |  |  |
| A-306                 | Aviation Contract Administration I & II  |  |  |  |  |  |  |  |
| A-307                 | Aviation Policy and Regulations II   |  |  |  |  |  |  |  |
| A-309                 | Helicopter Flight Manual   |  |  |  |  |  |  |  |
| A-310                 | Crew Resource Management   |  |  |  |  |  |  |  |
| A-312                 | Water Ditching and Survival  |  |  |  |  |  |  |  |
|                       | Mission Specific Training (as required by agency)  |  |  |  |  |  |  |  |
| <del></del>           |  |  |  |  |  |  |  |  |

| Mission Specialist  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|
|   | ms special missions using aircraft where specialized skills are necessary to accomplish the operations, aerial ignition, rappelling, short-haul, search and rescue, and law enforcement. |  |  |  |  |  |  |  |
| Currency  • Per agency policy for mission specialty • 3 years |  |  |  |  |  |  |  |  |
|   | Required Training  |  |  |  |  |  |  |  |
| A-101   | Aviation Safety  |  |  |  |  |  |  |  |
| A-105   | Aviation Life Support Equipment  |  |  |  |  |  |  |  |
| A-106   | Aviation Mishap Reporting  |  |  |  |  |  |  |  |
| A-108   | Preflight Checklist and Briefing/Debriefing  |  |  |  |  |  |  |  |
| A-110   | Aviation Transportation of Hazardous Materials (if involved in transport of  |  |  |  |  |  |  |  |

|                           | hazardous materials)   |
|---------------------------|--|
| A-113                     | Crash Survival   |
| A-204                     | Aircraft Capabilities and Limitations                          |
| Additional requirements v | when specified by individual DOI bureau/Forest Service policy: |
| A-107                     | Aviation Policy and Regulations I                              |
| A-109                     | Aviation Radio Use   |
| A-302                     | Personal Responsibility and Liability                          |
| A-303                     | Human Factors in Aviation                                      |
| A-310                     | Crew Resource Management                                       |
|                           | Mission Specific Training (as required by agency)              |

| Passenger   |  |  |  |  |  |  |  |  |  |
|---|--|--|--|--|--|--|--|--|--|
| Any person on board an aircraft who does not perform the function of a flight crewmember or aircrew member. |  |  |  |  |  |  |  |  |  |
| Currency  | Every flight   |  |  |  |  |  |  |  |  |
| Required Training   | Passenger safety briefing to include Aviation Pocket Users Guide (NFES 1373) |  |  |  |  |  |  |  |  |

|                      | Project Aviation Manager   |
|----------------------|--|
|                      | lans, organizes, and manages the aviation operations of a project utilizing more than one sly. The Project Aviation Manager may or may not be at the site. |
| Currency             | As required by agency  |
|                      | Required Training  |
| A-101                | Aviation Safety  |
| A-105                | Aviation Life Support Equipment  |
| A-106                | Aviation Mishap Reporting  |
| A-107                | Aviation Policy and Regulations I  |
| A-108                | Preflight Checklist and Briefing/Debriefing  |
| A-110                | Aviation Transportation of Hazardous Materials (if involved in transport of  |
|                      | hazardous materials)   |
| A-111                | Flight Payment Document  |
| A-112                | Mission Planning and Flight Request Process  |
| A-113                | Crash Survival   |
| A-201                | Overview of Safety and Accident Prevention Programs  |
| A-204                | Aircraft Capabilities and Limitations  |
| A-205                | Risk Awareness   |
| A-206                | Aviation Acquisition/Procurement I   |
| A-211                | Aviation Planning  |
| A-301                | Implementing Aviation Safety and Accident Prevention   |
| A-302                | Personal Responsibility and Liability  |
| A-305                | Risk Management  |
| A-313                | Aviation Security  |
| Additional requireme | ents when specified by individual DOI bureau/Forest Services policy:   |
| A-109                | Aviation Radio Use   |
| A-202                | Interagency Aviation Organizations   |
| A-203                | Airspace Management and Coordination   |
| A-207                | Aircraft Dispatching   |
| A-208                | Aircraft Pre -Use Inspection   |
| A-303                | Human Factors in Aviation  |
| A-307                | Aviation Policy and Regulations II   |
| A-308                | Aviation Policy and Regulations III  |
| A-310                | Crew Resource Management   |
|                      | Mission Specific Training (as required by agency)  |

|                       | Regional/State/National Aviation Manager   |
|-----------------------|--|
| Individual responsibl | e for aviation operations within a geographical area are as defined by the agency.               |
| Currency              | Agency-specific currency workshop/conference   |
|                       | Required Training  |
| A-101                 | Aviation Safety  |
| A-105                 | Aviation Life Support Equipment  |
| A-106                 | Aviation Mishap Reporting  |
| A-107                 | Aviation Policy and Regulations I  |
| A-112                 | Mission Planning and Flight Request Process  |
| A-113                 | Crash Survival   |
| A-202                 | Interagency Aviation Organizations   |
| A-203                 | Airspace Management and Coordination   |
| A-204                 | Aircraft Capabilities and Limitations  |
| A-205                 | Risk Awareness   |
| A-206                 | Aviation Acquisition/Procurement I   |
| A-211                 | Aviation Planning  |
| A-301                 | Implementing Aviation Safety and Accident Prevention   |
| A-302                 | Personal Responsibility and Liability  |
| A-303                 | Human Factors in Aviation  |
| A-305                 | Risk Management  |
| A-306                 | Aviation Contract Administration I & II  |
| A-307                 | Aviation Policy and Regulations II   |
| A-308                 | Aviation Policy and Regulations III  |
| A-313                 | Aviation Security  |
| Additional requirem   | ents when specified by individual DOI bureau/Forest services policy:                             |
| A-108                 | Preflight Checklist and Briefing/Debriefing  |
| A-110                 | Aviation Transportation of Hazardous Materials (if involved in transport of hazardous materials) |
| A-111                 | Flight Payment Document  |
| A-207                 | Aircraft Dispatching   |
| A-310                 | Crew Resource Management   |
|                       | Mission Specific Training (as required by agency)  |

| Supervisor   |   |  |  |  |  |  |  |
|--|---|--|--|--|--|--|--|
| Those who supervise employees who use aircraft to accomplish agency programs (first- and second-line supervisors as determined by the agency). |   |  |  |  |  |  |  |
| Currency • Supervisor Refresher Training (agency specific)   |   |  |  |  |  |  |  |
|  | Required Training                                   |  |  |  |  |  |  |
| A-107 Aviation Policy and Regulations I  |   |  |  |  |  |  |  |
| A-201  | Overview of Safety and Accident Prevention Programs |  |  |  |  |  |  |
| A-205  | Risk Awareness                                      |  |  |  |  |  |  |
| A-302  | Personal Responsibility and Liability               |  |  |  |  |  |  |
| A-303  | Human Factors in Aviation                           |  |  |  |  |  |  |
| A-305  | Risk Management                                     |  |  |  |  |  |  |
| A-307  |   |  |  |  |  |  |  |

#### **Unit Aviation Manager**

Individual with aviation management responsibilities for a local unit or forest level and serves as the focal point for aviation services and management, such as USFS Forest Aviation Officer (FAO), NPS Park Aviation Manager, BIA Agency Aviation Officer.

| Currency     | As required by agency   |
|--------------|---|
| <del>-</del> | Required Training   |
| A-101        | Aviation Safety   |
| A-103        | Basic Airspace  |
| A-105        | Aviation Life Support Equipment   |
| A-106        | Aviation Mishap Reporting   |
| A-107        | Aviation Policy and Regulations I   |
| A-109        | Aviation Radio Use  |
| A-110        | Aviation Transportation of Hazardous Materials (if involved in transport of |
|              | hazardous materials)  |
| A-111        | Flight Payment Document   |
| A-112        | Mission Planning and Flight Request Process                                 |
| A-113        | Crash Survival  |
| A-201        | Overview of Safety and Accident Prevention Programs                         |
| A-202        | Interagency Aviation Organizations  |
| A-203        | Airspace Management and Coordination  |
| A-204        | Aircraft Capabilities and Limitations                                       |
| A-205        | Risk Awareness  |
| A-206        | Aviation Acquisition/Procurement I  |
| A-208        | Aircraft Pre -Use Inspection  |
| A-211        | Aviation Planning   |
| A-301        | Implementing Aviation Safety and Accident Prevention                        |
| A-302        | Personal Responsibility and Liability                                       |
| A-303        | Human Factors in Aviation   |
| A-305        | Risk Management   |
| A-307        | Aviation Policy and Regulations II  |
| A-313        | Aviation Security   |
|              | ents when specified by individual DOI bureau/Forest Service policy:         |
| A-108        | Preflight Checklist and Briefing/Debriefing                                 |
| A-308        | Aviation Policy and Regulations III   |
| A-310        | Crew Resource Management  |
|              | Mission-Specific Training (as required by agency)                           |

12. Rev. 12-02-02.

#### INTERAGENCY AVIATION TRAINING

## Requirements Matrix 12/02/02

| No.   | Positions<br>Modules   | Passenger* | Aircrew Member | -light Crew/Pilot | -ixed-Wing Manager | ixed-Wing Manager-<br>Special Use | Helicopter Manager | Mission Specialist | Aviation Dispatcher | Project Aviation Manager | Jnit Aviation Manager | Aviation Management/<br>Technical Specialist | Regional/State/National Aviation Manager | Administrative Staff | Supervisor | Agency Administrator | Contracting Offcr's Rep/<br>Project Inspector |
|-------|--|------------|----------------|-------------------|--------------------|-----------------------------------|--------------------|--------------------|---------------------|--------------------------|-----------------------|--|--|----------------------|------------|----------------------|---|
|       | Aviation Safety (all aircraft)                                 | Ď          | Ϋ́             | _                 | X                  | χ<br>Χ                            | Ϋ́                 | X                  | Á                   | X                        | X                     | ₹<br>X                                       | χ̈́X                                     | Ą                    | S          | Ğ                    | <u>ŭ Ē</u>                                    |
|       | Basic Airspace   | ╁          | ^              | Х                 | ^                  | ^                                 | ^                  | ^                  | Х                   | ^                        | X                     | X  |  |                      |            | $\vdash$             |   |
|       | Overview of Aircraft Capabilities Limitations                  | ╁          |                |                   |                    |                                   |                    |                    | ^                   |                          |                       |  |  |                      |            |                      |   |
|       | Aviation Life Support Equipment                                | t          | Χ              | Х                 | Χ                  | Х                                 | Х                  | Х                  |                     | Х                        | Х                     | Х  | Х  |                      |            |                      |   |
| III   | Aviation Mishap Reporting                                      | T          | Х              | Х                 | Х                  | Х                                 | Х                  | Х                  | Χ                   | Х                        | Х                     | Х  | Х  |                      |            |                      | Х   |
|       | Aviation Policy & Regulations-I                                | T          | AS             | Х                 | AS                 | AS                                | Х                  | AS                 | Х                   | Х                        | Х                     | Х  | Х  |                      | Χ          |                      |   |
|       | Preflight Checklist & Briefing/Debriefing                      | T          | Χ              | ,,                | Х                  | Х                                 | Х                  | Х                  |                     | Х                        | AS                    | Х  | AS                                       |                      |            |                      |   |
|       | Aviation Radio Use   |            | AS             |                   |                    | AS                                | AS                 | AS                 | Х                   | AS                       | Х                     | Х  |  |                      |            |                      |   |
| 11    | Aviation Trans of HAZMAT(if involved)                          |            | Χ              | Χ                 | Х                  | Х                                 | Х                  | Х                  | Х                   | Х                        | Х                     | Х  | AS                                       |                      |            |                      |   |
|       | Flight Payment Document  |            |                | Χ                 | Х                  | Χ                                 | Χ                  |                    | Χ                   | Χ                        | Х                     | Х  | AS                                       | Χ                    |            |                      | Χ   |
|       | Mission Planning & Flight Request Process                      |            |                | Χ                 | Х                  | Χ                                 | Χ                  |                    | Χ                   | Χ                        | Χ                     | Х  | Χ  |                      |            |                      |   |
| A-113 | Crash Survival   |            | Χ              | Х                 | Χ                  | Χ                                 | Χ                  | Χ                  |                     | Χ                        | Х                     | Χ  | Χ  |                      |            |                      |   |
| A-201 | Overview of Safety & Accident Prev Prog                        |            |                | Χ                 |                    |                                   | Χ                  |                    |                     | Χ                        | Χ                     |  |  |                      | Χ          |                      |   |
| A-202 | Interagency Aviation Organizations                             |            |                | Χ                 |                    |                                   | AS                 |                    | Χ                   | AS                       | Χ                     | Χ  | Χ  |                      |            |                      |   |
| A-203 | Airspace Management & Coordination                             |            |                | Χ                 |                    | AS                                | AS                 |                    | Χ                   | AS                       | Χ                     | Χ  | Χ  |                      |            |                      |   |
| A-204 | Aircraft Capabilities & Limitations                            |            |                |                   | AS                 | Χ                                 | Χ                  | Χ                  | Χ                   | Χ                        | Χ                     | Х  | Χ  |                      |            |                      |   |
| A-205 | Risk Awareness   |            | AS             | Χ                 | AS                 | Χ                                 | Χ                  |                    | Χ                   | Χ                        | Χ                     | Х  | Χ  |                      | Χ          |                      |   |
| A-206 | Aviation Acquisition/Procurement-I                             |            |                |                   |                    | AS                                | Χ                  |                    | Χ                   | Χ                        | Χ                     | Χ  | Χ  |                      |            |                      | Χ   |
| A-207 | Aviation Dispatching   |            |                | AS                |                    |                                   | AS                 |                    | Χ                   | AS                       |                       | Χ  | AS                                       |                      |            |                      |   |
| A-208 | Aircraft Pre-Use Inspection                                    |            |                |                   |                    |                                   | AS                 |                    |                     | AS                       | Х                     | Χ  |  |                      |            |                      | Χ   |
| A-209 | Helicopter Operations (*Helicopter Air Crewmembers only)       |            | AS<br>*        |                   |                    |                                   | Х                  |                    |                     |                          |                       |  |  |                      |            |                      |   |
| A-210 | Helicopter Field Exercises  (*Helicopter Air Crewmembers only) |            | AS<br>*        |                   |                    |                                   | AS                 |                    |                     |                          |                       |  |  |                      |            |                      |   |
| A-211 | Aviation Planning  |            |                |                   |                    |                                   | AS                 |                    |                     | Χ                        | Χ                     | Х  | Χ  |                      |            |                      |   |
|       | Implementing Av. Safety & Accident Prevent                     | Ī          |                |                   |                    | AS                                | AS                 |                    |                     | Χ                        | Х                     | Χ  | Х  |                      |            |                      |   |
|       | Personal Responsibility & Liability                            |            | AS             | Х                 |                    | Χ                                 | Χ                  | AS                 | Χ                   | Χ                        | Х                     | Χ  | Χ  |                      | Χ          |                      | Χ   |
| A-303 | Human Factors in Aviation                                      |            | AS             | Χ                 |                    | AS                                | AS                 | AS                 | Χ                   | AS                       | Х                     | Χ  | Χ  |                      | Χ          |                      |   |
|       | Aircraft Maintenance   |            |                |                   |                    |                                   | AS                 |                    |                     |                          |                       |  |  |                      |            |                      | Χ   |
| A-305 | Risk Management  |            |                | Χ                 |                    | AS                                | AS                 |                    | Χ                   | Χ                        | Χ                     | Χ  | Χ  |                      | Χ          |                      |   |
| A-306 | Aviation Contract Administration Parts 1 & II                  |            |                |                   |                    |                                   | AS                 |                    |                     |                          |                       |  | Χ  |                      |            |                      | Χ   |
| A-307 | Aviation Policy and Regulations-II                             | L          |                | Χ                 |                    | AS                                | AS                 |                    | Х                   | AS                       | Χ                     | Χ  | Χ  |                      | Χ          |                      |   |
| A-308 | Aviation Policy and Regulations-III                            |            |                |                   |                    |                                   |                    |                    |                     | AS                       | AS                    | Х  | Х  |                      |            | Ш                    | ]   |
|       | Helicopter Flight Manuals                                      | L          |                |                   |                    |                                   | AS                 |                    |                     |                          |                       |  |  |                      |            | Ш                    |   |
|       | Crew Resource Management                                       | L          | AS             | Χ                 |                    | AS                                | AS                 | AS                 | AS                  | AS                       | AS                    | Χ  | AS                                       |                      |            |                      |   |
|       | Aviation Prog Overview for Agency Admins.                      | 1          |                |                   |                    |                                   |                    |                    |                     |                          |                       |  |  |                      |            | Χ                    |   |
|       | Water Ditching and Survival**                                  | 1          | AS             |                   |                    | AS                                | AS                 |                    |                     |                          |                       |  |  |                      |            | Щ                    |   |
| A-313 | Aviation Security  | L          |                | Х                 |                    | Х                                 | Х                  |                    |                     | Х                        | Х                     | Х  | Х  |                      |            | Ш                    |   |
|       | Mission-specific training as required by agency                |            | AS             |                   |                    | AS                                | AS                 | AS                 |                     | AS                       | AS                    | AS   | AS                                       |                      |            |                      |   |

<sup>\*</sup>Interagency Aviation User Pocket Guide (NFES 1373 \*\*For those who fly beyond power of gliding distance from shore X=Required

AS=When specified by DOI bureaus or U.S. Forest Service

#### INTERAGENCY AVIATION TRAINING

### **Currency Matrix\***

| Course<br>No. | Positions  Currency  | Passenger | Air Crewmember | Flight Crewmember | Fixed-Wing Manager | Fixed-Wing Manager-<br>Special Use | Helicopter Manager | Mission Specialist | Dispatcher | Project Aviation Manager | Unit Aviation Manager | Aviation Management/<br>Technical Specialist | Regional/State/National<br>Aviation Manager | Administrative Staff | Supervisor | Agency Administrator | Contracting Officer's<br>Rep/Project Inspector |
|---------------|--|-----------|----------------|-------------------|--------------------|------------------------------------|--------------------|--------------------|------------|--------------------------|-----------------------|--|---|----------------------|------------|----------------------|--|
|               | Agency-Specific Currency<br>Workshop/Conference                      |           |                |                   |                    |                                    |                    |                    |            |                          |                       |  | Х   |                      |            |                      | Х  |
| A-402         | Aircrew Member Refresher Training (CBT)/Currency                     |           | 3              |                   |                    |                                    |                    | 3                  |            |                          |                       |  |   |                      |            |                      |  |
| A-401         | Aviation Dispatcher Refresher Training (CBT)/Currency                |           |                |                   |                    |                                    |                    |                    | 3          |                          |                       |  |   |                      |            |                      |  |
| A-410         | Aviation Management/Technical Specialist Refresher Workshop/Currency |           |                |                   |                    |                                    |                    |                    |            |                          |                       | 3  |   |                      |            |                      |  |
| A-405         | Aviation Transportation of Hazardous<br>Materials/Currency           |           | Χ              | Х                 | Х                  | Х                                  | Х                  |                    | Х          | Х                        | Х                     | Х  | Х   |                      |            |                      |  |
| A-403         | Fixed-Wing Manager Refresher Training (CBT)/Currency                 |           |                |                   | 3                  |                                    |                    |                    |            |                          |                       |  |   |                      |            |                      |  |
| A-404         | Fixed-Wing Manager-Special Use<br>Refresher Training (CBT)/ Currency |           |                |                   |                    | 3                                  |                    |                    |            |                          |                       |  |   |                      |            |                      |  |
| A-406         | Helicopter Manager Refresher Workshop<br>as Reguired by Agency       |           |                |                   |                    |                                    | Х                  |                    |            |                          |                       |  |   |                      |            |                      |  |
|               | Passenger Safety Briefing/Every Flight**                             | Χ         |                |                   |                    |                                    |                    |                    |            |                          |                       |  |   |                      |            |                      |  |
|               | Per Agency Policy for Mission Specialty                              |           |                |                   |                    |                                    |                    | Χ                  |            |                          |                       |  |   |                      |            |                      |  |
|               | Per Agency Policy  |           |                | Χ                 |                    |                                    |                    |                    |            |                          |                       |  |   | Χ                    |            |                      |  |
| A-407         | Project Aviation Manager Refresher<br>Workshop as Required by Agency |           |                |                   |                    |                                    |                    |                    |            | Х                        |                       |  |   |                      |            |                      |  |
| A-408         | Supervisor Refresher Training (Agency Specific)                      |           |                |                   |                    |                                    |                    |                    |            |                          |                       |  |   |                      | Х          |                      |  |
| A-409         | Unit Aviation Manager Refresher<br>Workshop as Required by Agency    |           |                |                   |                    |                                    |                    |                    |            |                          | Х                     |  |   |                      |            |                      |  |

<sup>\*</sup>The number of years is listed in the matrix or an X which refers to the currency in Part 2.
\*\*Passenger Briefing includes the <u>Aviation Pocket Users Guide</u> (NFES 1373).

## NATIONAL WILDLAND COORDINATING GROUP'S COURSE EQUIVALENCY FOR INTERAGENCY AVIATION TRAINING MODULES

#### **NWCG COURSES**

| Module | S-217 | S-270 | S-370 | S-371 | J-375 | S-378 | S-470 |
|--------|-------|-------|-------|-------|-------|-------|-------|
| A-101  | Х     | Х     | Х     | Х     | Х     | Х     | Х     |
| A-102  |       |       | Х     |       | Х     | Х     | Х     |
| A-103  | Х     | Х     | Х     | Х     | Х     | Х     |       |
| A-104  |       | Х     | Х     |       |       | Х     |       |
| A-105  | Χ     | Χ     |       |       |       |       |       |
| A-106  | Х     | Х     |       | Х     | Х     |       |       |
| A-107  | Х     |       |       |       | Х     |       |       |
| A-108  | Х     |       |       |       |       |       |       |
| A-109  | Х     |       |       |       |       | Х     |       |
| A-110  | Х     |       |       |       |       |       |       |
| A-111  |       |       |       |       |       |       |       |
| A-112  |       |       |       | Х     |       | Х     | Χ     |
| A-113  | Х     |       |       |       |       |       |       |
| A-201  |       |       |       |       |       |       |       |
| A-202  |       |       |       |       |       |       | Х     |
| A-203  |       |       | Х     |       | Х     | Х     | Х     |
| A-204  | Х     |       |       |       |       | Х     |       |
| A-205  | Χ     |       |       |       |       | Х     | Х     |
| A-206  |       |       |       |       |       |       |       |
| A-207  |       |       |       |       |       |       |       |
| A-208  |       |       |       |       |       |       |       |
| A-209  | Х     |       |       | Х     |       |       |       |
| A-210  | Χ     |       |       | Х     |       |       |       |
| A-211  |       |       |       |       |       |       |       |
| A-301  |       |       |       |       |       |       |       |
| A-302  | Χ     |       |       |       |       |       |       |
| A-303  | Χ     |       |       |       |       |       |       |
| A-304  |       |       |       |       |       |       |       |
| A-305  |       |       |       |       |       |       | Х     |
| A-306  |       |       |       |       |       |       |       |
| A-307  |       |       |       |       |       |       |       |
| A-308  |       |       |       |       |       |       |       |
| A-309  |       |       |       |       |       |       |       |
| A-310  | Χ     |       |       |       |       |       |       |
| A-311  |       |       |       |       |       |       |       |

#### **Notes:**

Cells with an "X" indicate that the NWCG course gets credit for equivalency training for the Interagency Aviation Training module in the corresponding row.

**NWCG course names** are: S-217=Interagency Helicopter Training Guide; S-270=Intermediate Air Operations; S-370=Advanced Air Operations; S-371=Helibase Manager; J-375=Air Support Group Supervisor; S-378=Air Tactical Group Supervisor; S-470=Air Operations Branch Director.

#### PART 3

#### MODULE CATALOG

#### A-101 AVIATION SAFETY (all aircraft)

Covers employee safety while working around helicopter and airplane operations. Topics include passenger responsibilities, ground safety, air safety, 'five steps to a safe flight," and flight following.

#### A-103 BASIC AIRSPACE

This class will focus on the FAA NOTAM system explaining the difference between the eight types of FDC NOTAMS and Advisory NOTAMS, what NOTAM is appropriate for various missions, and how to coordinate complex TFRs.

## A-104 OVERVIEW OF AIRCRAFT CAPABILITIES AND LIMITATIONS (helicopters/fixed-wing)

A condensed version of the aircraft capabilities and limitations module that gives supervisors a basic understanding of commonly used aircraft and their mission capabilities.

#### A-105 AVIATION LIFE SUPPORT EQUIPMENT

Provides information on equipment and procedures for protecting aircrews, passengers, and support personnel engaged in aviation activities especially during mishap and survival situations. While the emphasis is on special use activities, other mission-specific equipment such as fire extinguishers, first aid kits, restraint systems, personal protective equipment (PPE), and over-water equipment are also covered.

#### A-106 AVIATION MISHAP REPORTING

Covers basic agency policy on procedures for reporting aircraft accidents, incidents with potential and incidents; how to use the SAFECOM reporting system; procedures for responding to aircraft mishaps; and procedures for overdue or missing aircraft.

#### A-107 AVIATION POLICY AND REGULATIONS I

A basic overview of agency aviation policy and standards and where to find them. Covers agency and interagency manuals, handbooks and guides as well as a brief summary of the Federal Aviation Regulations (FARs).

#### A-108 PREFLIGHT CHECKLIST AND BRIEFING /DEBRIEFING

Covers the step-by-step process to assure a safe and efficient flight. Topics include preflight inspections, airplane compliance with FARs, contracts and agency policy. In addition, covers what to look for when checking agency pilot and aircraft cards and items to be covered in a pilot briefing as well as a debriefing.

#### A-109 AVIATION RADIO USE

Provides a basic understanding on the operation of aircraft radios including: VHF-AM, multichannel, programmable, handheld, pigtail adapter, and agency radios. Covers communication requirements, radio tones and their use, and communication systems within aircraft. Also includes the use of Air Guard, frequency management, and radio discipline.

#### A-110 AVIATION TRANSPORTATION OF HAZARDOUS MATERIALS

This training complies with U.S. Department of Transportation Regulations 49 CFR 171.8 whereby agency employees who transport hazardous materials by air must receive training on the requirements and conditions of the exemption to 49 CFR 175.5 (a) (2). Topics include handling procedures, policy requirements, mishap notification, packaging, identifying hazardous materials, and safety requirements.

#### A-111 FLIGHT PAYMENT DOCUMENT

The module covers procedures for completing and processing aircraft use reports. Includes: USDI OAS-23 Aircraft Use Report and USDA-FS 6500-122 Flight Use Record, as well as daily logs.

#### A-112 MISSION PLANNING AND FLIGHT REQUEST PROCESS

Covers the basic duties and responsibilities required when ordering and coordinating flights. Topics include how to plan for a flight, information required to order a flight, flight manager responsibilities, flight following requirements, pilot flight and duty limitations, and pilot and aircraft approval.

#### A-113 CRASH SURVIVAL

This module is an overview of critical actions required to increase survivability in the event of an aircraft accident. Emphasis is on pre-accident preparedness, postcrash survival, physiological and psychological factors, survival equipment, desert or summer survival, and mountain or winter survival.

#### A-201 OVERVIEW OF SAFETY AND ACCIDENT PREVENTION PROGRAMS

Designed to provide condensed training on aviation safety and accident prevention programs. Topics include summaries of safety policy, agency aviation accident prevention plans, and accident, incident with potential and incident reporting systems and trend analysis.

#### A-202 INTERAGENCY AVIATION ORGANIZATIONS

An overview of the different aviation management organizations within the Federal, state, and local land management agencies. Students get a good working knowledge of where to get aviation technical assistance, what the different aviation functional groups can provide, and what their duties consist of. Also covered is the interagency uniqueness within the aviation community and how these organizations work together.

#### A-203 AIRSPACE MANAGEMENT AND COORDINATION

Covers the basics about the National Airspace System covering Class A-G airspace, special use airspace, military training routes, cruise missile routes, slow routes, and LATNs. Instruction will include how to read and plot on an aeronautical sectional and a DOD AP1/B flight information publication book and charts. Class focuses on mapping skills including how to plot a latitude and longitude and convert it to a bearing and distance. Exercises involve map reading and risk management analysis of airspace.

#### A-204 AIRCRAFT CAPABILITIES AND LIMITATIONS (helicopters/fixed-wing)

Covers the identification and basic capabilities of helicopters and airplanes. Module is structured to include aircraft commonly encountered or utilized by the trainee audience. Module identifies to what extent aircraft performance decreases through limitations and how exceeding limitations may result in failure. Covers the four basic forces that effect flight and the basic principles of flight. Stresses the fundamentals of aircraft performance planning to include weight, balance, and density altitude.

#### A-205 RISK AWARENESS

The module presents techniques that may be utilized to identify, analyze, and manage many of the risks of aviation operations. Information presented is geared toward users.

#### A-206 AVIATION ACQUISITION/PROCUREMENT I

Overview of Departmental policy that governs the acquisition of aircraft and aviation services. Topics include policy exceptions, request procedures, contract types, OAS use of commercial solicitation method, and where to obtain a copy of a solicitation. Contractual relationships, who's who and their contract authorities, ethics, and contractor/Government expectations. One-time attendance is required except for those interested in a periodic refresher. Target attendees are aviation field users and individuals in management who oversee or provide guidance to DOI aviation field users.

#### A-207 AVIATION DISPATCHING

Covers basic principles to prepare the trainee to process aircraft orders and forms, determine proper aircraft, schedule flights, keep track of aircraft costs, order aircraft services, conduct briefings with "flight managers," utilize resource tracking systems, initiate search and rescue, flight planning and flight following, and ensure proper aircraft utilization.

#### **A-208 AIRCRAFT PRE-USE INSPECTION**

Covers the step-by-step process to ensure that all the items necessary for safe and efficient aircraft operations are accomplished. Includes preflight inspections, maintenance and air worthiness issues, contracts, and agency policy regarding aircraft equipment and condition requirements as well as operating handbooks and minimum equipment lists (MEL). Covers what to look for when checking agency aircraft cards.

#### A-209 HELICOPTER OPERATIONS

Technical training on how to work with helicopters in a natural resource environment. Includes information on operational planning, load calculations, take off and landing areas, personnel and cargo transportation, fueling, and specialized missions.

#### A-210 HELICOPTER FIELD EXERCISE

A field exercise with hands-on helicopter training including load calculations, manifesting, passenger transportation, cargo transportation, sling loads, hover hook up, hand signals, and radio communication.

#### A-211 AVIATION PLANNING

Covers aviation planning requirements and procedures to prepare and carry out an aviation plan at all levels of an organization. Includes Regional/Unit, Forest, and Project Aviation Planning. Also covers how to analyze, coordinate, and administer aviation activities with aviation plan. Includes organizations, aircraft use, operations, business management, personnel requirements, equipment needs, communications, flight plans, and safety procedures.

#### A-301 IMPLEMENTING AVIATION SAFETY AND ACCIDENT PREVENTION

Covers system safety management principles and safety techniques. This module will provide the student with sufficient knowledge to apply aviation safety principles to agency missions. Topics include safety program marketing, accident prevention techniques, monitoring accident trends, implementing prevention action, and preparing and implementing an Aviation Accident Prevention Plan program.

#### A-302 PERSONAL RESPONSIBILITY AND LIABILITY

The module is designed to develop an understanding of personal and organizational responsibility and liability in aviation program operations. Topics include scope of employment as applies to liability, investigation for litigation, FAA/NTSB regulations, damages, legal considerations, product liability and government regulations, judicial options, and insurance and punitive damages and remedies.

#### A-303 HUMAN FACTORS IN AVIATION

Covers principles of behavioral science relevant to aviation safety. The module describes the interaction between people, mission, machine, and medium (environment); and it will provide students with a working knowledge of hazard control techniques. Topics include physiology/biomedicine, psychology, human engineering, and communication.

#### A-304 AIRCRAFT MAINTENANCE

An overview of what aviation managers should look for to assure that proper aircraft maintenance is being performed. Topics include maintenance specialists' duties, the pilot's role in maintenance, pilots functioning as mechanics, mechanic approval, scheduled maintenance, daily preflight check, turbine engine power checks, test flights, airworthiness directive and service bulletin compliance, and approved aircraft inspection programs.

#### A-305 RISK MANAGEMENT

The module provides technical training in applying risk management with focus on field users. Topics covered include risk management principles, hazard identification, making risk decisions, implementing controls, and responsibility. Studies risk factors and how to avoid them.

#### A-306 AVIATION CONTRACT ADMINISTRATION I & II

Part I includes the contractor selection process, contract award, inspection process, performance periods, and prework meeting. What does the contract really say about these items, what forms are involved, and who completes them? Topics will focus on your issues, areas of concern, and questions. Part II is an overview of administrative contract performance matters such as COR/manager/COTR, interrelationships, authority to ensure compliance with contract technical requirements, OAS technical contract support, safety, accident prevention and reporting requirements, substitute/replacement equipment and personnel, billing and invoice submission, modification, documentation, claims and disputes, labor issues, and contractor evaluation. Topics will focus on your issues, areas of concern, and questions.

#### A-307 AVIATION POLICY AND REGULATIONS II

Designed to provide training on the aviation directive system within each agency while giving the trainee a working knowledge of policy and procedures for the management and use of government aircraft. Topics include agency aviation management manual structures and applicable Office of Management and Budget circulars and bulletins and Federal Aviation Regulations (FARs). Additionally, covers aircraft use justification and cost accounting for general and special travel approvals and reporting requirements specifically directed towards senior officials traveling on government aircraft. Also, provides information on "space available" travel. Provides participants with an understanding of the term "public aircraft" and its effect on agency aviation policy.

#### A-308 AVIATION POLICY AND REGULATIONS III

A comprehensive study of how agencies develop and implement aviation policy. Topics include: manuals, handbooks, and guides as well as preparing "Grants of Exemption," OMB A-76 Performance of Commercial Activities, A-126 Improving the Management and Use of Government Aircraft Circulars, A-123 Internal Control Systems, and GSA Federal Property Management Regulation (FPMR) 101-137 Government Aviation Administration and Coordination. Also covers the Code of Federal Regulations that apply to aviation management and how government agencies apply to Federal Aviation Regulations (FARs). In addition, the module contains a briefing to provide managers with a broad understanding of the Interagency Committee on Aviation Policy (ICAP) and how this group interacts with agency aviation management.

#### A-309 HELICOPTER FLIGHT MANUALS

Technical training on helicopter performance planning. Topics include performance capabilities, weight & balance calculations, limitations, and system descriptions.

#### A-310 CREW RESOURCE MANAGEMENT

This training provides information on the roles and responsibilities of flight and aircrew members in aviation operations. Emphasis is placed on communication needs to ensure a safe flight during routine operations and during an emergency. It covers leadership and communication skills, which will create an environment that encourages crewmember involvement leading to safe aviation operations.

#### A-311 AVIATION PROGRAM OVERVIEW FOR AGENCY ADMINISTRATORS

A synopsis of aviation policy, safety and accident prevention, training and qualification requirements of employees, liability, procurement, and aviation organizations as they relate to line officer responsibilities.

#### A-312 WATER DITCHING AND SURVIVAL

The Water Ditching and Survival module teaches the student the proper procedures to follow in the event of aircraft ditching. The module gives the student the skills needed to safely egress and reach the surface of the water. The module includes the use and familiarization of personal flotation devices (PFDs). Life raft and water survival techniques are stressed. The module is divided into two segments: academic and hands-on in-water exercises. The student will experience a water dunker that puts them in a simulation of a ditched aircraft.

#### **A-313 AVIATION SECURITY**

The Office of Homeland Security has identified that a threat of theft and/or sabotage exists to aviation resources; this course will be offered to identify procedures that go beyond a basic safety plan. This modle will be designed to provide personnel with guidance, direction, and established protocols to mitigate threats or incidents that place people or facilities at risk to terrorist activities. This module is intended to provide a foundation that will allow the local unit to tailor aviation plans, as necessary, to meet the potential threat(s) that may exist on an individual unit or project.

#### REFRESHER TRAINING

The following training is available through a computer-based format. Employees with aviation duties are able to stay current by taking this refresher training off the Internet. This process allows managers to keep employees current with little impact to budgets and time. Currency training is kept up-to-date with policy changes and information. On an average, training takes around two hours to complete. Employees are given random questions after going through a series of exercises. This training is a pass, and takers will need a 90 percent or better to pass. Records will be kept on a central database.

- A-401 Aviation Dispatcher Refresher Training
- **A-402** Aircrew Member Refresher Training
- A-403 Fixed-Wing Manager (Special Use) Refresher Training
- **A-404** Fixed-Wing Manager Refresher Training
- **A-405** Aviation Transportation Of Hazardous Material

#### REFRESHER TRAINING WORKSHOPS

The following workshops are available and conducted as a minimum every three years. These workshops are targeted for mid- to upper-level managers in aviation. They are designed to keep employees current and to allow for an exchange of information.

- A-406 Helicopter Manager Refresher Workshop
- **A-407** Project Aviation Manager Refresher Workshop
- **A-408** Supervisor Refresher Training (Agency Specific)
- A-409 Unit Aviation Manager Refresher Workshop
- **A-410** Aviation Management Technical Specialist Refresher Workshop (Agency and Job-Title Specific)

22.

#### PART 4

#### INTERAGENCY AVIATION INSTRUCTOR REQUIREMENTS

#### **OBJECTIVE**

This appendix identifies minimum aviation management training requirements for instructors of materials within the Interagency Aviation Training Program. Because of the complexity and/or technicality of aviation skills needed to perform aviation missions, instructors need to possess certain skill levels to assure information is being presented as effective as possible.

Three levels of instruction have been developed to ensure that national interagency standards are met.

#### **CERTIFICATION**

Agencies have the responsibility for certification of aviation trainers and should maintain a list of certified instructors as appropriate.

#### LEVEL I INSTRUCTION

This level is for basic aviation skills training. This includes all the A-100 modules. Unit aviation managers will be responsible for certification to instruct at this level. To be approved to instruct at this level an individual must:

- 1. Demonstrate competencies in adult learning understanding, audiovisual skills, instructor skills, and presentation/platform skills.
- 2. Demonstrate a working knowledge of the subject matter/concept for which they are going to instruct.
- 3. Demonstrate an ability to deal effectively with the everyday situations that develop in a given area of responsibility.

#### A-100 Modules (Level I Instruction)

| A-101 Aviation Safety           | A-108 Preflight Checklist &      |
|---------------------------------|----------------------------------|
| A-103 Basic Airspace            | Briefing/Debriefing              |
| A-104 Overview of Aircraft      | A-109 Aviation Radio Use         |
| Capabilities & Limitations      | A-110 Aviation Transportation of |
| A-105 Aviation Life Support     | Hazardous Materials              |
| Equipment                       | A-111 Flight Payment Document    |
| A-106 Aviation Mishap Reporting | A-112 Mission Planning & Flight  |
| A-107 Aviation Policy &         | Request Process                  |
| Regulations I                   | A-113 Crash Survival             |

#### LEVEL II INSTRUCTION

This level is for intermediate aviation skills training. This includes all the A-200 level modules. Regional/state aviation managers will be responsible for certification to instruct at this level. To be approved to instruct at this level an individual must:

- 1. Demonstrate all the competencies in Level I.
- Complete (satisfactorily) a certified instructor training class, i.e., Instructor 1A
  or 1B (usually offered at junior colleges), or the NWCG Train-the-Trainer
  program as a lead instructor, or a certified instructor approved through the OAS
  Interagency Aviation Trainer (IAT) program, or comparable teaching
  experience.
- 3. Complete a Train-the-Trainer refresher for any module that they have not instructed in 5 years.

#### A-200 Modules (Level II Instruction)

| A-201 | Overview of Safety & Accident | A-205 | Risk Awareness              |
|-------|-------------------------------|-------|-----------------------------|
|       | Prevention Programs           | A-206 | Aviation Acquisition/       |
| A-202 | Interagency Aviation          |       | Procurement I               |
|       | Organizations                 | A-207 | Aviation Dispatching        |
| A-203 | Airspace Management &         | A-208 | Aircraft Pre-Use Inspection |
|       | Coordination                  | A-209 | Helicopter Operations       |
| A-204 | Aircraft Capabilities &       | A-210 | Helicopter Field Exercise   |
|       | Limitations                   | A-211 | Aviation Planning           |

#### LEVEL III INSTRUCTION

This level of instruction requires the highest level of expertise. This includes all the A-300 level modules. National level aviation training specialists will be responsible for certification to instruct at this level. To be approved to instruct at this level an individual must:

- 1. Demonstrate all the competencies of Levels II and II.
- 2. Be current with the subject matter and have aviation management as one of their primary duties.
- 3. Is a subject matter expert at the working level or be an expert level instructor based on criteria assigned by each agency.
- 4. Complete a formal Train-the-Trainer course for each specific module (an individual Train-the-Trainer course may cover more than one Level III module).
- 5. Complete a Train-the-Trainer refresher for any module that they have not instructed in 5 years.

#### A-300 Modules (Level III Instruction)

| A-301 | Implementing Aviation Safety &      | A-307 | Aviation Policy & Regulations II  |
|-------|-------------------------------------|-------|-----------------------------------|
|       | Accident Prevention                 | A-308 | Aviation Policy & Regulations III |
| A-302 | Personal Responsibility & Liability | A-309 | Helicopter Flight Manuals         |
| A-303 | Human Factors in Aviation           | A-310 | Crew Resource Management          |
| A-304 | Aircraft Maintenance                | A-311 | Aviation Program Overview for     |
| A-305 | Risk Management                     |       | Agency Administrators             |
| A-306 | Aviation Contract                   | A-312 | Water Ditching and Survival       |
|       | Administration I & II               | A-313 | Aviation Security                 |

## **APPENDIX**

## INTERAGENCY AVIATION TRAINING Individual Training Record

| COURSE |   |      |          | CERTIFIER |        |          |
|--------|---|------|----------|-----------|--------|----------|
| NO.    | MODULES   | DATE | LOCATION | NAME      | AGENCY | INITIALS |
| A-101  | Aviation Safety (all aircraft)                    |      |          |           |        |          |
| A-103  | Basic Airspace                                    |      |          |           |        |          |
| A-104  | Overview of Aircraft Capabilities and Limitations |      |          |           |        |          |
| A-105  | Aviation Life Support Equipment                   |      |          |           |        |          |
| A-106  | Aviation Mishap Reporting                         |      |          |           |        |          |
| A-107  | Aviation Policy and RegulationsI                  |      |          |           |        |          |
| A-108  | Preflight Checklist and Briefing/Debriefing       |      |          |           |        |          |
| A-109  | Aviation Radio Use                                |      |          |           |        |          |
| A-110  | Aviation Transportation of HAZ MAT (if involved)  |      |          |           |        |          |
| A-111  | Flight Payment Document                           |      |          |           |        |          |
| A-112  | Mission Planning and Flight Request Process       |      |          |           |        |          |
| A-113  | Crash Survival                                    |      |          |           |        |          |
| A-201  | Overview of Safety & Accident Prevention Programs |      |          |           |        |          |
| A-202  | Interagency Aviation Organizations                |      |          |           |        |          |
| A-203  | Airspace Management & Coordination                |      |          |           |        |          |
| A-204  | Aircraft Capabilities & Limitations               |      |          |           |        |          |
| A-205  | Risk Awareness                                    |      |          |           |        |          |
| A-206  | Aviation Acquisition/ProcurementI                 |      |          |           |        |          |

26

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## INTERAGENCY AVIATION TRAINING

NAME\_\_\_\_\_\_ Individual Training Record Page 2 of 2

| COURSE |  |      |          | RTIFIER | TIFIER . |          |
|--------|--|------|----------|---------|----------|----------|
| NO.    | MODULES  | DATE | LOCATION | NAME    | AGENCY   | INITIALS |
| A-207  | Aviation Dispatching                                 |      |          |         |          |          |
| A-208  | Aircraft Pre-Use Inspection                          |      |          |         |          |          |
| A-209  | Helicopter Operations (*Aircrew members only)        |      |          |         |          |          |
| A-210  | Helicopter Field Exercises (*Aircrew members only)   |      |          |         |          |          |
| A-211  | Aviation Planning                                    |      |          |         |          |          |
| A-301  | Implementing Aviation Safety and Accident Prevention |      |          |         |          |          |
| A-302  | Personal Responsibility and Liability                |      |          |         |          |          |
| A-303  | Human Factors in Aviation                            |      |          |         |          |          |
| A-304  | Aircraft Maintenance                                 |      |          |         |          |          |
| A-305  | Risk Management                                      |      |          |         |          |          |
| A-306  | Aviation Contract Administration I & II              |      |          |         |          |          |
| A-307  | Aviation Policy and Regulations-II                   |      |          |         |          |          |
| A-308  | Aviation Policy and Regulations-III                  |      |          |         |          |          |
| A-309  | Helicopter Flight Manuals                            |      |          |         |          |          |
| A-310  | Crew Resource Management                             |      |          |         |          |          |
| A-311  | Aviation Program Overview for Agency Administrators  |      |          |         |          |          |
| A-312  | Water Ditching and Survival                          |      |          |         |          |          |
| A-313  | Aviation Security                                    |      |          |         |          |          |
|        | Mission-Specific Training as Required by Agency      |      |          |         |          |          |

2

#### INTERAGENCY AVIATION TRAINING

### NAME\_\_\_\_\_\_ Individual Training Record

|       | · · · · · · · · · · · · · · · · · · ·                |      | marviduai Training | - 100014 |        |          |
|-------|--|------|--------------------|----------|--------|----------|
| NO.   | MODULES  | DATE | LOCATION           | NAME     | AGENCY | INITIALS |
| A-101 | Aviation Safety (all aircraft)                       |      |                    |          |        |          |
| A-103 | Basic Airspace                                       |      |                    |          |        |          |
| A-104 | Overview of Aircraft Capabilities and Limitations    |      |                    |          |        |          |
| A-105 | Aviation Life Support Equipment                      |      |                    |          |        |          |
| A-106 | Aviation Mishap Reporting                            |      |                    |          |        |          |
| A-107 | Aviation Policy and RegulationsI                     |      |                    |          |        |          |
| A-108 | Preflight Checklist and Briefing/Debriefing          |      |                    |          |        |          |
|       | Aviation Radio Use                                   |      |                    |          |        |          |
| A-110 | Aviation Transportation of HAZ MAT (if involved)     |      |                    |          |        |          |
| A-111 | Flight Payment Document                              |      |                    |          |        |          |
| A-112 | Mission Planning and Flight Request Process          |      |                    |          |        |          |
| A-113 | Crash Survival                                       |      |                    |          |        |          |
| A-201 | Overview of Safety & Accident Prevention Programs    |      |                    |          |        |          |
| A-202 | Interagency Aviation Organizations                   |      |                    |          |        |          |
| A-203 | Airspace Management & Coordination                   |      |                    |          |        |          |
| A-204 | Aircraft Capabilities & Limitations                  |      |                    |          |        |          |
| A-205 | Risk Awareness                                       |      |                    |          |        |          |
| A-206 | Aviation Acquisition/ProcurementI                    |      |                    |          |        |          |
| A-207 | Aviation Dispatching                                 |      |                    |          |        |          |
| A-208 | Aircraft Pre-Use Inspection                          |      |                    |          |        |          |
| A-209 | Helicopter Operations (*Aircrew members only)        |      |                    |          |        |          |
| A-210 | Helicopter Field Exercises (*Aircrew members only)   |      |                    |          |        |          |
| A-211 | Aviation Planning                                    |      |                    |          |        |          |
| A-301 | Implementing Aviation Safety and Accident Prevention |      |                    |          |        | i<br>!   |
| A-302 | Personal Responsibility and Liability                |      |                    |          |        |          |
| A-303 | Human Factors in Aviation                            |      |                    |          |        |          |
| A-304 | Aircraft Maintenance                                 |      |                    |          |        |          |
| A-305 | Risk Management                                      |      |                    |          |        |          |
| A-306 | Aviation Contract Administration I & II              |      |                    |          |        |          |
| A-307 | Aviation Policy and RegulationsII                    |      |                    |          |        |          |
| A-308 | Aviation Policy and RegulationsIII                   |      |                    |          |        | <u> </u> |
| A-309 | Helicopter Flight Manuals                            |      |                    |          |        | <u> </u> |
| A-310 | Crew Resource Management                             |      |                    |          |        | <u> </u> |
| A-311 | Aviation Program Overview for Agency Administrators  |      |                    |          |        |          |
| A-312 | Water Ditching and Survival                          |      |                    |          |        |          |
| A-313 | Aviation Security                                    |      |                    |          |        |          |
|       | Mission-Specific Training as Required by Agency      |      |                    |          |        |          |

28

## Interagency Aviation Training

| <b>Currency Training Record</b> |
|---------------------------------|
|                                 |

| COURSE |  |      |          | CERTIFIER |          |          |
|--------|--|------|----------|-----------|----------|----------|
| NO.    | REFRESHER TRAINING                                       | DATE | LOCATION | NAME      | AGENCY   | INITIALS |
|        |  |      |          |           |          |          |
| A-401  | Aviation Dispatcher Refresher Training (CBT)/Currency    |      |          |           |          |          |
|        |  |      |          |           |          | 1        |
| A 400  | Airean March or Defeach or Training (CDT)/Common or      |      |          |           |          |          |
| A-402  | Aircrew Member Refresher Training (CBT)/Currency         |      |          |           | <u> </u> | <u> </u> |
|        |  |      |          |           |          |          |
| A-403  | Fixed-Wing Manager-Special Use Refresher (CBT)           |      |          |           |          |          |
|        | 3 3 1 , , ,  |      |          |           |          |          |
|        | Fixed Wise Manager Defreeben Training (CDTV              |      |          |           |          |          |
| A-404  | Fixed-Wing Manager Refresher Training (CBT)/ Currency    |      |          |           |          |          |
|        | Guireney   |      |          |           |          |          |
|        |  |      |          |           | 1        |          |
| A-405  | Aviation Transportation of Hazardous Materials (CBT)     |      |          |           |          |          |
|        |  |      |          |           |          |          |
| A-406  | Helicopter Manager Refresher Required by Agency          |      |          |           |          |          |
| 71 100 | Tronsoptor managor resilion residence by regener         |      |          |           |          |          |
|        |  |      |          |           | !<br>!   |          |
| A-407  | Project Aviation Manager Refresher Required by<br>Agency |      |          |           |          |          |
|        | Agency   |      |          |           |          |          |
|        |  |      |          |           |          |          |
| A-408  | Supervisor Refresher Training (Agency Specific)          |      |          |           |          | 1        |
|        |  |      |          |           | <u> </u> | <u> </u> |
| A-409  | Unit Aviation Manager Refresher Required by Agency       |      |          |           |          | 1        |
| 71 407 | onit / Watton Wanager Neiresher Nequired by Agency       |      |          |           | <u> </u> |          |
|        |  |      |          |           | <u>:</u> |          |
| A-410  | Aviation Management/Technical Specialist Refresher       |      |          |           |          |          |
|        |  |      |          |           |          |          |
|        |  |      |          |           |          |          |
|        | Agency-Specific Currency Workshop/Conference             |      |          |           |          |          |
|        |  |      | Ī        |           | į.       | 1        |